

Progress Report Soil Gas Survey at Site 24 Monitoring Well Destruction and Repairs at Sites 21 and 24

Former Naval Station Treasure Island

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Summary of Project Activities



Soil Gas Survey at IR Site 24

- Install up to 42 permanent soil gas wells (for a total of 50 SG wells)
- Soil gas samples will be collected quarterly for one year starting July 2015
- Purpose of the soil gas survey is to provide comprehensive data set to help develop the Remedial Design
- Identify areas above/below soil gas action levels established in FFS Addendum

Monitoring Well Destruction and Repairs at IR Sites 21 and 24

- Properly destroy unused wells
- Bring wells into compliance with state well standards and Site 21 LUC inspection
- Destroy up to 161 wells (41 wells at Site 21 and 120 wells at Site 24)
- Repair up to 38 wells (8 wells at Site 21 and 30 wells at Site 24)

Fieldwork Timeline

Date	Activity
Jul. 7, 2015	Work Plan finalized
Jul. 6 – Jul. 10	Mobilize, markout, utility screening, coordinate access
Jul. 13 – Jul.24	Install 42 soil gas wells at Site 24 (eight installed in 2011)
Jul. 20 – Jul. 31	Collect 50 soil gas samples at Site 24 (first qtly. event)
Jul. 13 – Aug. 7	Destroy 158 gw monitoring wells at Sites 21 and 24
Jul. 27 – Aug. 7	Repair 38 gw monitoring wells at Sites 21 and 24
Aug. 10 – Aug. 14	Survey soil gas and groundwater wells, demobilize

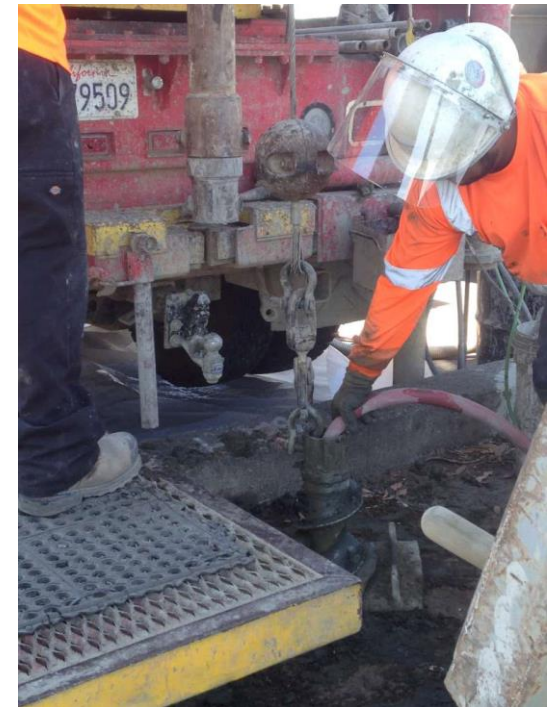
Soil Gas Well Installation



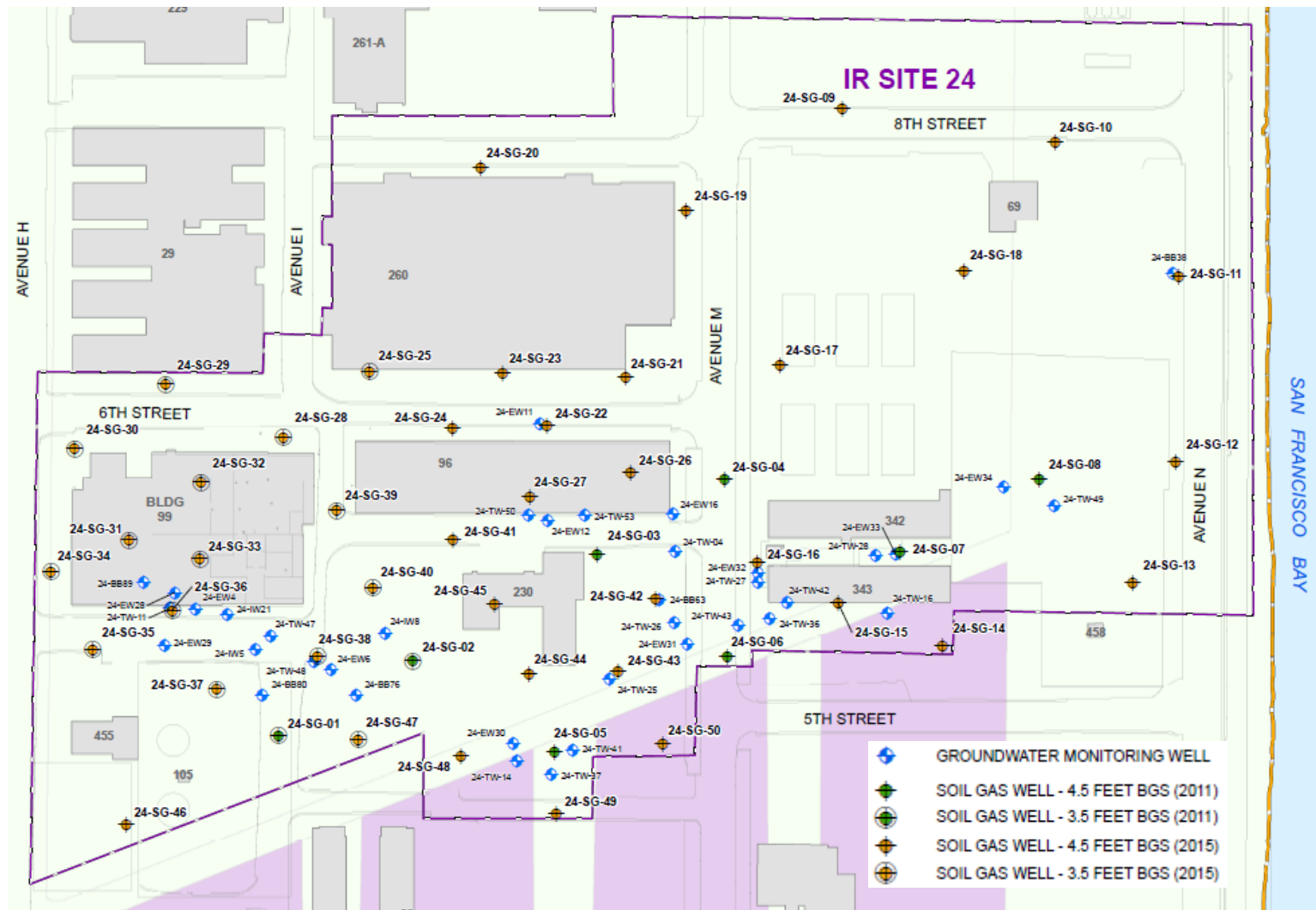
Soil Gas Sampling



Monitoring Well Destruction and Repair



Site 24 Soil Gas Well Locations



Soil Gas Analytical Results Summary (Quarter 1)



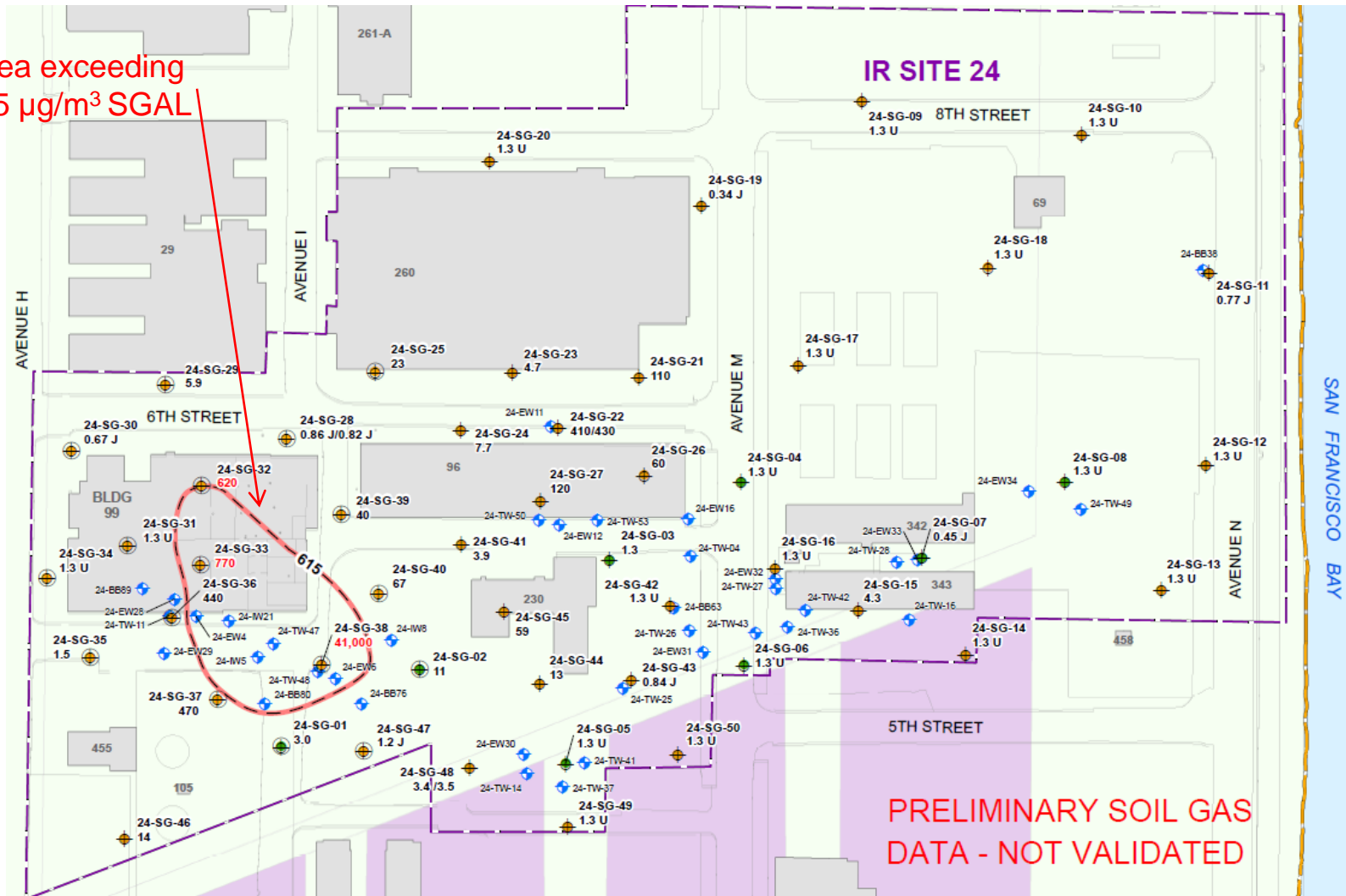
- **Four of five COCs reported in soil gas**
 - **PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE**
- **PCE reported at max. concentration of 320,000 $\mu\text{g}/\text{m}^3$**
 - **exceeded PCE SGAL (533 $\mu\text{g}/\text{m}^3$) in 11 locations**
- **TCE reported at max. concentration of 41,000 $\mu\text{g}/\text{m}^3$**
 - **exceeded TCE SGAL (615 $\mu\text{g}/\text{m}^3$) in 3 locations**
- **No other COCs exceeded SGAL**



TCE in Soil Gas

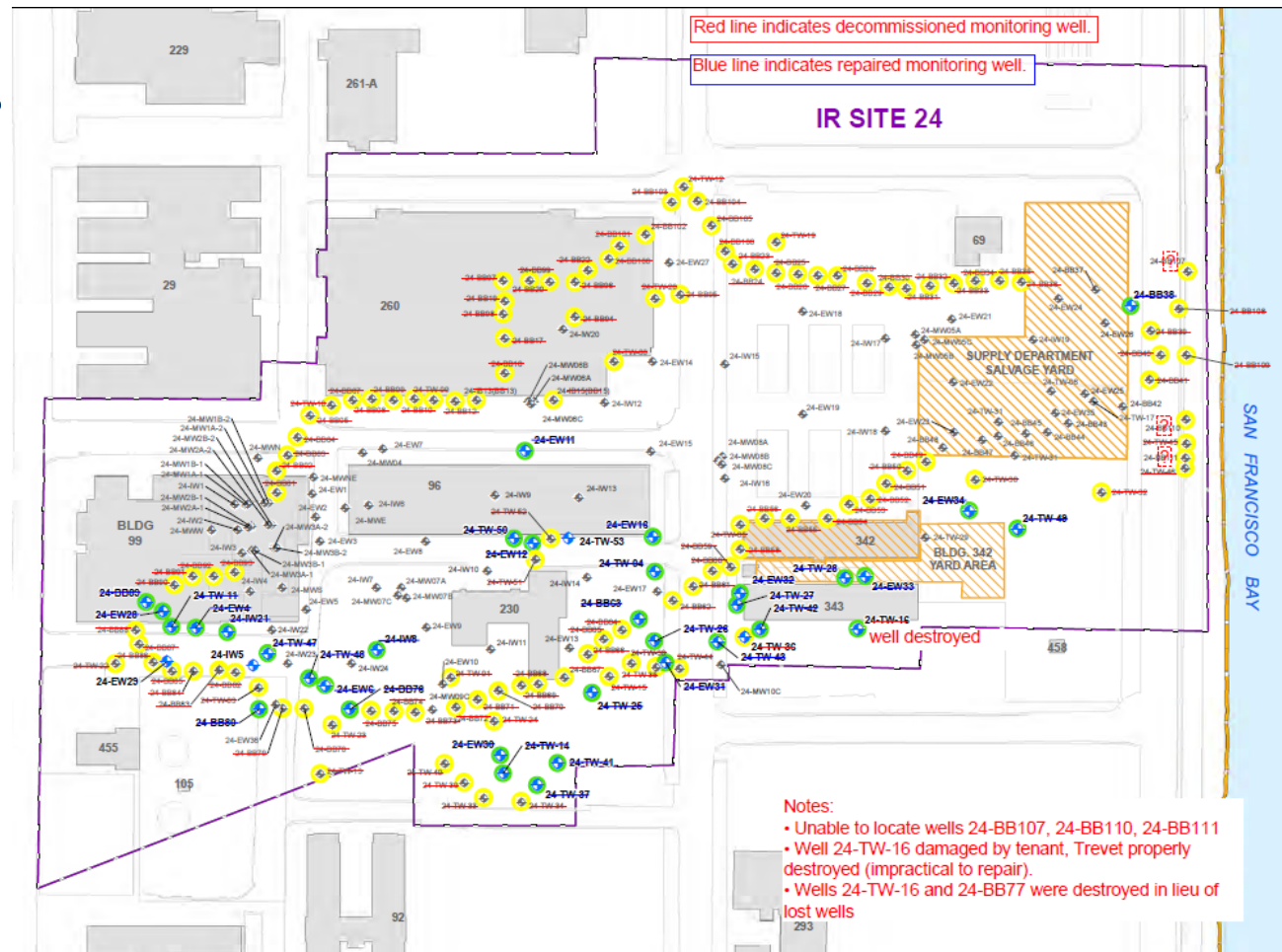


Area exceeding
615 $\mu\text{g}/\text{m}^3$ SGAL



Well Destruction and Repair at Site 24

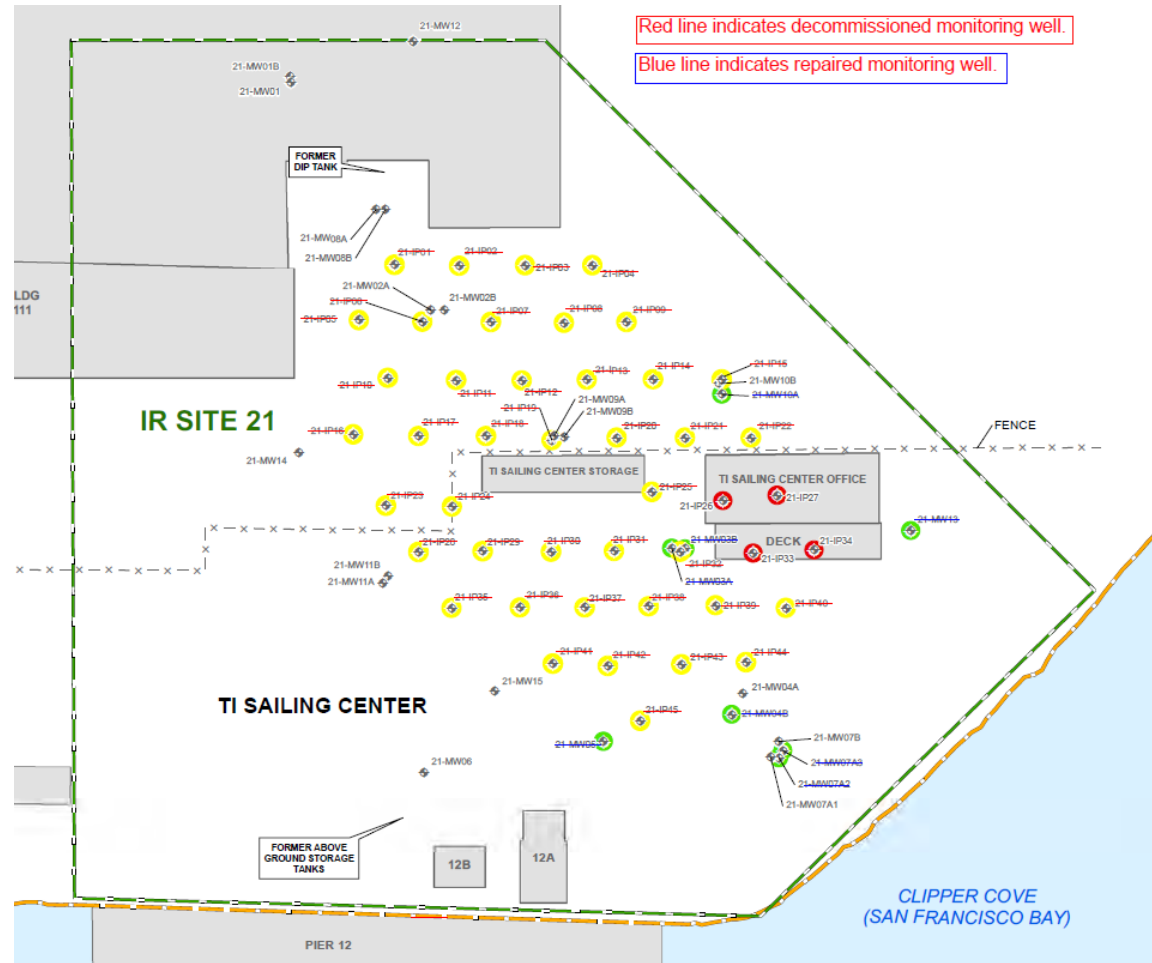
- Destroyed 117 monitoring wells
- Unable to locate wells 24-BB107, 24-BB110, 24-BB111
- Added 24-TW-16, destroyed by tenant
- Added 24-BB77, previously undocumented
- Repaired 30 wells



Well Destruction and Repair at Site 21



- Destroyed 41 monitoring wells
- Repaired 8 wells identified deficient in LUC inspection report
- Existing wells are now compliant with LUC restrictions



Upcoming Activities

Date	Activity
November 2015	Second quarterly soil gas sampling event
Jan/Feb 2016	Third quarterly soil gas sampling event
Apr/May 2016	Fourth quarterly soil gas sampling event
September 2016	Draft Soil Gas Survey report
November 2016	Final Soil Gas Survey report

Questions

